

What is claimed is:

1. An antenna unit including an antenna element comprising a patch electrode provided on a roof surface of a dielectric board, a circuit board provided on a
5 bottom surface thereof with an amplifier and mounting the antenna element on a roof surface thereof, a shield casing mounted on the circuit board to cover the amplifier, and a feeding pin having one end thereof connected to the patch electrode and the other end thereof connected
10 to the amplifier, the antenna unit characterized in that projecting pieces are provided on the shield casing to extend through the circuit board to be arranged in positions adjacent to sides of the dielectric board and the antenna element is positionally restrained relative
15 to the circuit board by the projecting pieces.
2. The antenna unit according to claim 1, further comprising a plurality of mount pieces provided on the shield casing to be mounted on the circuit board, and wherein at least a part of the mount pieces serves as
20 the projecting pieces.
3. The antenna unit according to claim 1, further comprising solder lands provided on the sides of the dielectric board, the solder lands being soldered to the projecting pieces.

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